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Missile Number V15-008, V15-009, V15-007, Round Numbers V253/AT2-22, V-254/AT2-23, V-255/AT2-24	6. PERFORMING ORG. REPORT NUMBER
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20. ABSTRACT (Continue on reverse obth M necessary and identify by block number) Meteorological data gathered for the launching of Numbers V15-008, V15-009, V15-007, Round Numbers V-255/AT2-24 are presented in tabular form.	

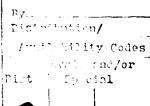
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INTRODUCTION

19316A MLRS, Missile Numbers V-15-008, V15-009, V15-007, Round Numbers V-253/AT2-22, V-254/AT2-23, V-255/AT2-24, were launched from Brillo, White Sands Missile Range (WSMR), New Mexico, at 1430, 1430:05, and 1430:10 MDT on 04 May 1982. The scheduled launch times were 1430, 1430:04.5, and 1430:09 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the Brillo Met Site at T-O minutes.
- (2) Anemometer data were provided from existing tower-mounted anemometers at Brillo. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from double theodolite pibal observations at:

SITE AND ALTITUDE

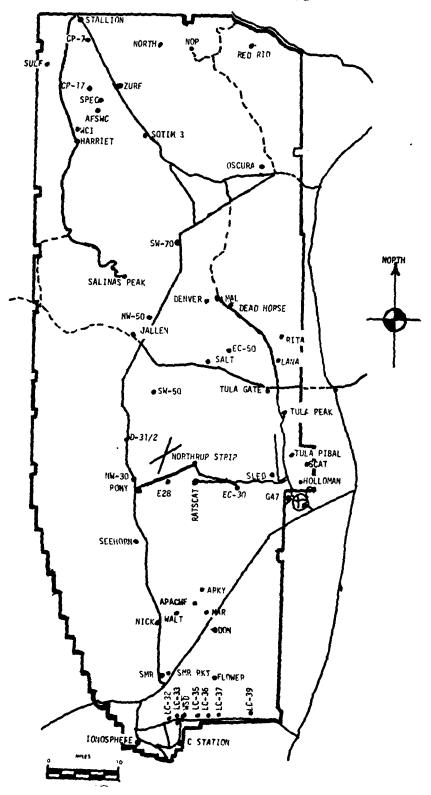
 $D-3\frac{1}{2}$ 800 meters MAL 2000 meters

(2) Air structure data (rawinsonde) were collected at the following Met Sites:

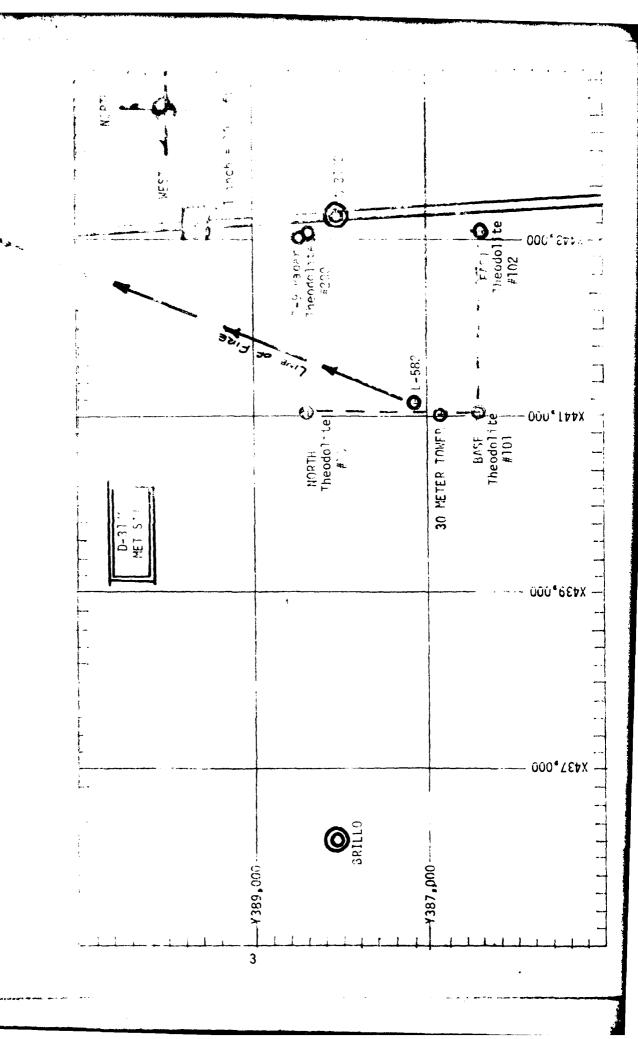
SITE AND TIME

E-28 0730 MDT NW-30 1030 MDT E-28 1130 MDT NW-30 1330 MDT E-28 1430 MDT

WSMR METEOROLOGICAL SITES



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	1						. 1	CTATION BRILLO	110		
SATE OF	05	82	1				***	°=441,121,6	- 1	Y= 387,107.8 H= 4005.2	= 4005.2
	36'05'5'	(\$ 0 (1) (4) (4) (4) (4) (5)	14 (2 1- (2 -) (5 0	C 1870	00 CE354			AIND DIPECTION SPEED degs In kts		CHAPACTER kts	VISIBIL-
1430	875.8		25.7		7.9	32	1016	190	15	620	20

	REMARKS			
	(1	H57	21,000	
	1.51.5	196 BGAL 1179	7	
	300	ET		
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	źnc	F: X	2	
			8000	
	4 1.759	ANT TYPE HGT	sc 8000	
	į	15.2	4	
	185 TR : 071016	ALITE ST. V.		

PSYCHROMETRIC COMPUTATION

1430	25.7	14.8	10.9	7.9	32
TIME: MOT	DRY BULD TEMP.	WET BULB TE:P.	KET BULB DEPR.	DEW POINT	RELATIVE HUMID.

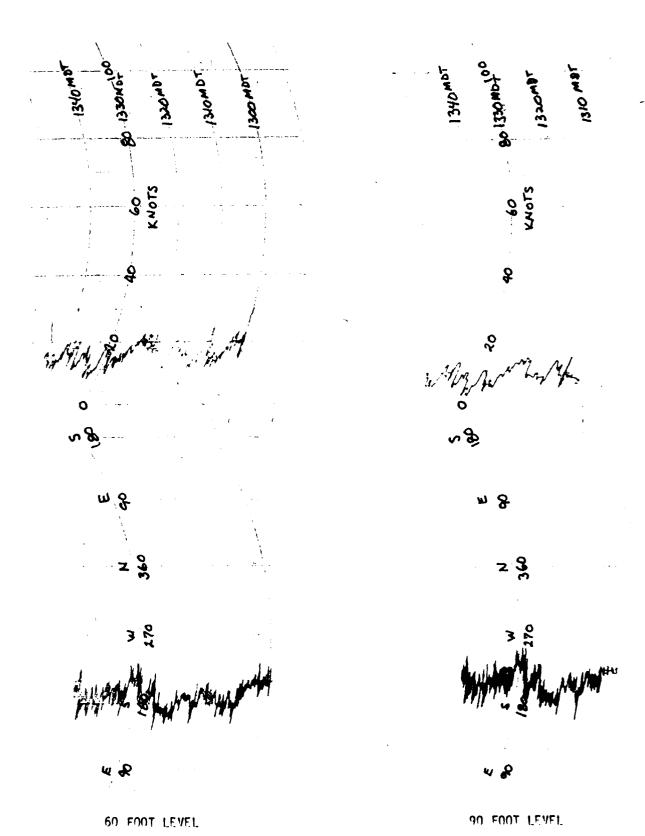
T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 04 MAY 1982

SITE: 0-31/2	SITE: MAL
TIME: 1430 MDT	TIME 1430 MDT
WSTM COORDINATES:	WSTM COORDINATES:
χ ₌ 441,053.12	χ= 509,421.05
^{y =} 386,316.94	^{Y=} 495,563.18
H= 4,008.31	H= 4,127.03

LAYER MIDPOINT	DIRECTION	SPEED	LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS	METERS AGL	DEGREES	KNOTS
SURFACE	190	15	SURFACE	170	11
150	206	15	150	157	25
210	201	11	210	162	23
270	192	10	270	168	22
330	187	11	330	172	23
390	189	11	390	174	22
500	201	07	500	174	25
650	206	09	650	174	24
800	208	10	800	186	21
950			950	189	26
1150			1150	193	25
1350			1350	199	22
1550			1550	203	23
1750			1750	207	20
2000			2000	206	28

All Data obtained from Double Theodolite Tracked pilot-balloon observations



AIMING AND T-TIME COMPUTER MET MESSAGES 04 May 1982

E-28 0730	TOMOT	NW-30 10	30MDT	E-28	1130	MDT
METCM13290	064	METCM1329	065	METCM	13290)64
0413501198	383	041650122	880	041750	1198	382
00427008	29400883	00267005	29710880	002130	005	29790 8 82
01356020	29380872	01187005	29530869	011740	005	29570872
02453025	29310847	02291002	29290845	022580	005	29390847
03402015	28940808	03000000	28880806	033850	009	29120808
04398016	28470762	04413006	28460759	043910	013	28690762
05355017	28110717	05412012	28120715	053830	018	28230718
06364015	27780675	06378009	27750673	063870	D25	27780675
07345014	27440634	07402014	27390632	073800	025	27440635
08383021	27320596	08407015	27040594	083940	026	27060597
09389029	26950560	09416018	26680557	094100	039	26760560
10389029	26500525	10421017	26370523	104070	037	26430525
11392029	26180492	11368015	26030490	113920	030	26090492
12388028	25690446	12378016	25530443	123720	028	25630446
13348033	24970390	13358017	24810387	133630	046	24880390
14355036	24160340			143550	048	24200339
15369049	23290294			153690	054	23330294
16393061	22530254			163900	073	22630253
17412084	21910218			174050	880	21970218
18417109	21420186			184092	103	21490186
19419091	21070159			194060	084	3 1320159
20415058	21080135			204100	064	21270135
21397045	20900115			214110	049	21280115
22431035	21290098			224180	029	21540098
23420016	21200083			23480	027	21260084
24390009	21010071			24379	026	21190072
25324014	21110060			254570	003	21350061
26338009	21360051			26238	004	21620052

TABLE-4 cont'd

NW-30 13	30	E-28 143	O MDT
METCM1329	065	METCM1329	064
041950122	878	042050119	880
00267012	29930878	00293014	29750880
01316016	29670868	01289023	29660870
02348012	29440843	02292022	29440845
03350011	29030805	03315022	29060807
04371015	28500759	04357022	28590760
05384017	28010714	05377018	28090716
06377022	27570672	06379021	27670673
07390028	27230631	07409031	27410633
08402035	26940593	08413039	27050595
09405041	26600556	09410045	26650558
10412048	26220521	10406053	26250523
11389052	25950488	11396058	25950490
12359048	25490442	12317057	25500444
13345044	24830386	13345048	24850388
14358050	24060336	14356054	24130339
15369054	23200291	15360066	23280293
16385072	22250250	16375084	22360253
17405096	21660215	17402102	21730217
18413105	21340183	18406126	21360186
19421062	21170156	19416085	21100158
20408060	21450133		
21405045	20970113		
22400041	21100097		
23372027	21120082		
24410015	20970070		
25087008	21160060		
26342015	21360051		

SIGNIFICANT LEVEL UNIA	TABLE -5
STATION ALITIUDE SYIZ-75 FEFT MSL	ASCENSION NO. OF 0730 MDT

0L00L11C C00nDINATES 32-09927 LAT 0E6 1106-40591 L0N 0E6

"F.L. HUM.	PLKCIN	
TEMPERATORE	AIR DEWPOIN	DEGREES CENTIONAUE
PRESSUME RECOMETHIC	ALTITUDE	WILLIBAKS MEL FELT

PRESSUME	ر	TUMPER	ATURE	it L. HUM.
VILLIBAR	ALTITULE S MSL FELT	AIR DEV DEGRÉES CEN	ENFOINT	PLKCLN
•	3912.7	Ġ.	9.0	54.6
0.50	175.		7.0	55.0
u21.7	9.4264	17.1	0.6	59.0
c01.9	505	14.0	7.0	0.6.0
782.1	97.		o. •••	0.07
762.5	7994.1	5°6		80.U
743.3		•	5.5	77.0
715.3	_	6.3	±	0.50
700.0		5.ú	2•b	85.U
022.5	15459.8	•	-1.9	98.0
535.9	_	-3.0	5. 5.	90.0
534.0	_	•	ລ•ນ− -	95.0
500.6	-	•	-11.7	45.6
H20.8	-	٠	1.01-	45.0
438.4	22.300.9	-17.3	ŝ	0.88
400.0	_	•	5.3	76.0
330.6	29133.9	•	•	0.49
304.6		38.	-45.7	
J000		6	•	01.0
279.6	_	-43.1		
267.6	33897.0	•		
250.0				
217.0	_	-54.5		
200.0	-	-		
172.2	_	-		
165.2	_	-62.0		
150.0	_	-62.6		
141.0	-			
125.8	44605.6	-63.2		
124.2	9665.	؞ؙ		
118.2	870·	-63.7		
9.011	52212.4	÷		
-	877.	-65.9		
5	53562.3	-66.0		
ċ	239.	• 19		
٠	144.	-57.0		
\$	202.	-56.t		
86.6	223			
•	045.	-61.1		
ċ	569.	Ċ		

516.11	TABLE
	JEATION ALITION 3912-75 FLET SL 4 MAY 62 ASLETISION 110 02

۲ ا و	KEL . HUM PERCENT
\$16:Jr Icall Level Dala 1240250000 f-23 TABLE-5 cont'd	IEMPERATORE AIR DEWFOIM, DEGNEES CENTIGNADE
-75 F _{EE} 1 SL 730 MDT	PRESSURE OFOMETRIC ALTITUDE MILLIDARS USE FEET

March Str. Jan. S. San J.

vEODLTIC COURDINATES 32.09927 LAT LEG 105.40591 LOH DEG

KESSUR LLIBAR	KESSURE OFOMETRIC ALTITUDE ELIBARS ESE FEET	TEMPERATORE AIR DEWFOIN, DEGNEES CENITORADE	KEL - HUM PERCENT
66 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	62545.3 63635.0 6481.5 67320.9 68450.1 69636.7 70095.0 71307.4 72797.1	-64.6 -61.3 -62.3 -59.0 -59.0 -50.3 -57.5 -57.5 -57.5	

JAIIGH AL	JATATION ACITIONE 391	12.75 FEET	MSL	-	UMPER ALR DAIA 1240230002	۸ ، ، ، ،		VEUDLTIC	COUNTIN
4 MAY 02 ASCENSION NO.	.wo. 02	IÀ⊾ os ∕o		,	E-28 TABLE-6			100.	32.09927 LAI UEG 105.40391 LON ULG
OEOME TRAIC AL 11 1 UDE	PRESJURE	1EMPE	TEMPERATURE R DEMPOTIT	REL HUM. PERCENT	DENSITY GM/CUBIC	SPEED OF	INU DATA	14 3PEEU	Incex
MSL FELT	HILLIBARS	٠,	CENTIGRALE	•	METER	ANOTS	DEGREES (IN)	NNOTS	MEFRACTION
3912.7	მა∠•5	19.1	9.6	54.0	1040.6		0.4V	8.0	1.000286
4000		19.1	9.6	54.1	1045.5				1.000280
4500.0		18.8	6.6	94.6	1025.9	4./00			1.000201
2000€		18•6	∄•°C	55.1	100000	06/01			1.000277
5500.0	834.2	17•B	9.2	57.2	990.7	-			1.000274
0.000a		10.0	6. 0	2 4 5	0.676				1 0003: 1:
7.000.7	700.6		0 - 2) P 0	7.076	**************************************			1.000250
7500	770.3	11.2	, , , , , , , , , , , , , , , , , , ,	72.9	340.5		4.0.2	15.5	1.000257
G.000b	7,02.3	5	5. c	80.0	930.7	-	4.777	16.1	1.000254
6500	748.5	9•3	5 • 7	77.8	910.9		2.012	16.8	1.000248
3.0006	734.9	d•3	6•4	79.4	905.0		6.002	17.7	1.000243
950 0. 3	721.5	6•0	14 • 3	83.2	893.5	_	<-TO>	17.0	
10000	708.3	0•0	#•£	83.t	880.2		19701	10.0	1.000234
10500.	695.2	5.2	2•2	82.6	C•098	_	/ 107	14.9	
11000.0		2 · t	1.8	84.2	850.c	-	G. 20 ≥	14.7	
11500.0	669.6	٠ د د د د	1.0	85°C	0.143	_	V.007	/ · • · ·	1.000220
3.00021		7.1	• •	• 0	0.00		2.007	* * * * * * * * * * * * * * * * * * * *	1.000212
(**0007)	0.44.0			0.00	2.010 804.	0.040	7.67	7 - 5 - 1	1.00021
1.3500.2	621 • 1	6.	-2.0	91.9	792.1		A.007	16.6	1.000203
14000 · 3		-1.6	-2.8	91.3	779.5	_	2000	18.1	1.000199
14500		-2•3	-3.6	90.b	760.7		7+17	20.7	1.000195
15000.0		-3.0	7.7-	90.0	754.3		713-1	23.4	1.000191
15500.		1.4.	-5•3 -	91.1	742.7		213.5	26.0	1.000187
0.00044 1.00044	30405	100	79.	92.1	12027	7.500	7.677	28.0	1.000183
17000	542.8	-7-1	-7-9	74.5	709.1		217.0	28.4	1.000176
17500.0	532.4	-8.1	-8.8	95.0	2.0bg		J.645	58.4	1.000173
₹0000₹	522.0	-9.1	1.6-	95.0	1.489		4-6.72	28.4	1.000169
18200.0		-10.0	-10.6	95.0 آ	2.070		7.0.7	28.4	1.000166
0.0004		6-01-	-11.6	95.0	5.000 5.000		7.022	28.5	1.000162
C*0006T		6-11-	-12.5	0.06	5.4°C		K•022	29.0	1.000159
6.00003 6.00003	482.5	120.00	-13.55	0.00 0.00 0.00	0.440	1.52.	222.0	2.62	1.000156
	707 2	4.4.	7 2 1	95.0	P = (C 9		74.2.0	28.6	1.000149
21560.9	454.2	-15.7	-16.3	95.0	610.9		6.022	26.3	1.000146
C*000*2	440.2	-16.6	-17.6	91.9	9.009		<10.012	28.9	1.000143
00¢>>	430.3	-17.6	-10.1	87.4	£4.000	023.2	2.45.5	29.5	1.000140
€3000•€	457.4	-10.7	9-02-	194.7	584.5	8.120	<10.5	30.2	1.000157

AX WILLD DATA INJALID DIJE TO MISSING RAW AZIMDILI AND ELEVALLOIM ANGLESM

IFPLR AIR WIA	1244239062	1-28	TABLE-6 cont'd
	STALLON ALILLIUDE 3912-75 FEEL MSE	4 MAY 6.2 0730 MUT	ASLENSTOF NO. OF

the office of the second second second

ot Obeltic COORDINATES 52.09927 LAT 5EG 146.40591 LON DEG

INJEX OF REFRACTION	1.000134	1.000132	1.000129	1.000120	1.000124	1.000122	1.000119	1.000117	1.000115	1.000113	1.000111	1.000109	1.000107	1.000105	1.000103	1.000102	1.000100	1.000098	1.000090	1.000094	1.000042	1.00001	1.000069	4:0000-1	1.000000	1.000063	1.000001	1.000000	1.000078	1.000077	1.000075	1.000073	1.000072	1.000670	1.000009	1.000000	1.000000	1.000005	1.000004	
IN SPEED NIOTS	30.6	30.8	31.2	31.6	32.1	34.5	32.7	35.3	34.2	35.3	36.5	37.7	36.8	39.7	41.3	44.2	47.2	50.5	51.4	55.9	55.1	57.3	59.6 62.4	0.53	68.7	71.0	73.1	76.8	80.5	5.48	0.68	¥4.3	100.6	105.1	100.9	109.1	109.0	107.9	105.9	
UIKECTION DAIN DECKELS(1N) N	2.002	193.4	190.5	150.00	1,500	174.6	7.7.7	1,00.1	0.66,1	7.661	190•0	199.1	n•00,7	7.07	4.407	ر•0 د.	1.002	∠00.3	700-0	20102	<.00≥	<10.042	212.0	3 447.	6699	66.32	240.5	C.UC2	4-107	252.1	5.26.7	1.502	7.562	K-7-7	J • # J A	2.40%	24.0	<34.0	ŋ•#C>	
SPEED OF SCUND NIGHTS	4.020	619.1	017.7	210.0	014.7	2.010	011.7	010.2	1.000	2.100	605.7	2.400	300	7.000	6.060	1.165	595.4	1.060	592.5	290.7	0.680	567.4	580.1	6.83	28.7			178·4	577.1	575.9	57.0.6	574.0	570.9	5,74.0	571.0	270.4	5.695	260.1	6.000	
SENSITY S GM/CUBIC METER	573.5	9,095	557.0	540.1	539.2	530.0	522.0	513.0	500.4	497.5	489.5	481.5	47.00	460.4	1.654	451.9	8.444	437.2	452.1	45.2.4	410.4	4004	4004	1 2 3	370.7	371.0	364.0	357.0	351.1	344.4	337.1	330.0	320.0	310.0	310.2	304.0	290.0	292.1	280.0	
REL HUM. PERLENT	32.0	79.3	76.7	75.0	73.7	12.3	71.0	1.9.7	6.A.3	67.0	b5.7	t. #. t	63∙8	63.5	63.3	63.0	55.3**	36.0+*	16.6**																					
TERPERATURE R DEWLOINT EES CENTIGRADE	0.67-	-23.5	5.67-		9.27-	U•67-	-36.3	-31.7	-33.0	+ - 34 · 4	-35.7	-57.1	-38.5	6.05-	-41.2	-42.6	2.5.5	1.00-	-57.5																					
TEHP AIN DEGRÉES	1.9.7	9.07-	-21.9	-23.1	->4+3	-25.5	-56.1	-27.9	-23.1	-50.3	-31.5	-32.7	-34.0	4.5%	-30.9	-30.3	-39.7	6.07-	-42-1	-1,3+3	-44.6	-45.8	-46.B	7 - H - T	7.60-	-50.7	-6.1.7	7.2.1	7.53-	9.46-	-55.1	9.65-	-,0.5	0.7.3-	-57.9	-5,B.7	9.6%-	160.5	-(,1.4	
PRESSURL MILLIBARS	410.8	410.3	402.0	3.95.7	360.4	3//•4	308.5	301.8	354+2	340.8	353.6	3.52.5	325.4	316.5	311.5	304.7	290.0	291.5	200.0	270.7	274.5	260.3	200.3	9-8-00	24.0	237.3	231.8	220.4	221.2	210.1	211.6	200.0	201.2	190.4	191.7	18/01	182.6	176.3	174.3	
GEUNETHIC ALITIUDE HSC FELT	23500.0	C+000h2	3.0004.7	5.00042	0.00442	00000	200007	< 7000.5	27560.1	2.00082	1.00ca7	- 000n67	C-00567	30000€	30500	510ne.	31500	€000>€	J-50052c	330fite ·	132000	04000	54500.0 55060.0	00000	0.0000	202000	57000.	57500 · J	28000°C	38506.8	250005	~9500°	40000	+0500+	+1000.	*1500·	4<00024	42500.0	43000.0	

** AT LEAST DIE ASSUM, D. RELATIVE HUNTENTY VALUE MAS USEN IN FOR INTERPOLATION.

STATION ACITUDE 4 MAY 12	100c	3916738 FMbf MSL			× 100 × 100		ocobeT1	0000011C C000014A1ES 02-89927 LAI 0EG
ASCENSTON	•			יאפרני ביט כיט	ם ט			4037 LON DEG
DEUNETRAL	PRESSURE	TEMPERATURE	REL.HUM.	DENSITY	Srteu of	AIND DATA	1.8 5.55 E.:	INCEX
ASL FELT	MILLIUARS	5		METER	S10114	UEGREC 114)	NAOTS	KEFRACT10W
+3500.		-62.0		280.2	7+044	704.7	102.8	1.000062
€*00044		#+25+#		273.9		4.002	0.46	1.000001
0.005++		7,2.6		267.5	565.3	23001	95.1	1.000000
45000.	-	-62.6		761.0	560.0	<30.1	91.4	1.000058
45500.0	155.9	-62.6 -62.6		240.0	50000	2,00.2 2,00.5	81.4	1.000057
46500.0	-	-62.2		242.0		400%	75.2	1.000054
47000.0	145.0	-6.1.B		235.7	5,096	2.002	689	1.000052
47500.	_	-61.9		230+1	5.000	4.002	63.4	1.000051
48000	7	-62.2		224.0	50C	0.4°C	58.0	1.000050
40200.0	_	- r.2•5		219.7	565.4	٥٠٠٢٧	54.5	1.000049
0000A+	125.6	*62.8		214.7		4.102	52.3	1.000048
3.000000	-	4.031		0.600	0 + 40C	**************************************	1010	1.000047
50500		0.00		198.0	1000	7.4.7	47.7	1.000044
51000.0		F.5.9		195.4		243.0	45.9	1.000044
51500.0	114.6	164.2		191.0	-	6.6.23	0.44	1.000043
25000		1,4.5		180.0		0.477	7.77	7.000642
ಾ-009≥೧		- ₆ 5•2		186.1		0.127	3 . 3 . 3	1 -000041
2.0005c		F.5.9		170.6		223.0	2.40	1.000040
53500		0.071		174.4		635.9	43.0	1.000039
2.000%≤	-	-i.2•8		167.0		63/63	40.0	1.000037
54500.7		0.6,1-		160.0		0.147	30.7	1.000036
0.00000		± 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		150.5	n•0/0	V • + + + V	32.6	1.000035
200000	1.0°	اراً . من عن عن ا		101.0		7. T	200	1.000034
5.00000		1 0 1		1400.5		0.047	20.00	1.000033
5.000₹€		₩•001		140.0		7.557	16.7	1.000032
5750C - 58000C	85°4	-61.2 -61.1		140.4	567.1	**************************************	15.3	1.000031
38500		3 • • • • • • • • • • • • • • • • • • •		135.0	-	2.407	10.9	1.000030
5-0006G		-61.6		130.0		7,777	11.0	1.000029
.9500		-h1.9		127.0		4.012	10.6	1.000028
~0000a		1, 2.2		124.6		5 7 7 7	6 ·	1.000028
. •00c0o		-64.5		166.0		6.417	1.0	1 - 10000 - 1
~1000°	2.77	15.20		119.5		7.0.7	7.5	1.000057
01200.0	70.7	1.5.5.1		110.5	1.04.7	K.C.),	8.8	1.00000
050000		16.3.6		110.9		1-1-1	10.2	1.000025
05200		1.04.1		111.4		2.51.7	12.0	1.000025
. •00000	2.00	サ・ナン 		1,00.6	502.9	4.01.7	7.07	1.000024

514110% ALITI 4 MAY 02 ASLENSTOW 100	.11100c 393	STALLON ALLILLUDE 3912.75 FEET MS, 4 MAY UZ 0730 MDT 1 ASCENSLUNING B2	,	UPER AIR C 14 124025000c E-28 TABLE-6 cont'd	ot d		v∟3D£71 32• 106•	ocodetic coordinates s2.89927 cat deg lub.40591 com deg
GEUMETHIC ALTITUDE	PRESSURE	TEMPERAT, REALER	REL.HUM. PLRCENT	DENSITY GM/CURIC	SPLED OF SOUND	STREETION DATA	fA SPEED	INVEX
IASE FEE!	AILLIBARS	DEGREES CENTIGHADE		METER	S1011	2	NHOTS	KEF RACT 10N
J-2500	9.69	-62.5		10.01	4.000	192.0	14.3	1.000023
04000	62.1	-6.1.04		102.1		1000	15.0	1.000623
∴•00G₩n	၁•0၀	-61.6		9.4.0	7.000	10/01	15.4	1.000022
J•000Gn	59.1	-61.7		4.16	560.4	10401	15.1	1.000022
0.5500 F	57.7	-61.9		3°56		190.0	14.7	1.000051
000000	56.3	-, <-1		92.0	9000	190.9	74·0	1.0000c1
00200°	55.0	-6.2.2		o•06	565.4	196.0	13,3	1.000020
ಿ 10007 ೧	53.6	-60.3		87.0		0.76.1	12.1	1.000620
0.1500	54.3	-59.0		85.5	570-1	n•c4T	10.9	1.000019
04000€	51.1	159.0		80.1		130.5	9.5	1.000019
0058 0€	6.64	0.69-		81.1		74.0	7.6	1.000018
3 • 6006≏	40.7	1.69-1		73.6	570.1	159.5	7.1	1.000018
0.00GE0	41.5	-57.8		70.7		1.0747	7.1	1.000017
₹0000/	40.4	-56.5		74.0		1.00.0	0.9	1.000017
70500	45.3	-56.7		74.9		113.1	5.5	1.000016
ۥ000T/	2.44	-57.2		71.4	574.5	71100	†•	1.000016
/1500	43.2	-57·4		69.69		ひ・うす	5.6	1.000010
7.2000	45.2	-57.3		60.1	574.3	6.20	6.9	1.000015
72500.0	41.2	-6,7.2		4.09	572.5	n•0?	8.5	1.000015
7.5009 • ci	7.04	-57.2		6.49	574.5	٦٠/٦	7.2	1.000014
73500.	34.3	4-12-		65.4		79.pp	6.2	1.000014
74000.0		-57.3		619		37.5	5.8	1.000014
74500.0	37.4	-6,7-1		60.09	572.6	7.7	5°9	1.000013
75000	3000	-56.8		50.9		¥•00	7.8	1.000013
75500.0	35.7	9.95-		57.4				1.000013
700001	34•8	-i,0+3		50.0				1.000012
76500.0	34.0	-56.1		54.0	574.0			1.000012
/2000-6	33.2	-1,5.8		5				1.000012

SEGDETTE COGNOTIANTES S2+89927 EAT PEG 105+40591 EOH SEG	AIA SPELD		XX0.4446	አአዐ•፫ን	10.7	15.3	14.3	<0.1	€0.3	20.6	9.02	31.3	3**6	46.3	65.1	101.9	100.7	01.3	4.00	30.9	10.9	o•3	10.4	0.0	1.1
	Alau unia Inculation	DEGKELS (TN)	_		710.7	7.007	196.0	214.1	210.0	220.0	C.19.4	795.0	199.0	200.6	7.077	∠33.•∪	254.0	6,002	227.0	25%	240.1	550.3	107.5	11/11	د/٠١
r.r.LS V.z	neterium.		£2•	•00	76.	62.	• R R	91.	95.	90.	٠,6	٠٠/	64.	٠١٠											
MALDATORY LEVELS 1246299902 1-26 TABLE-7	TEMPERATURE AIR DEMPOINT	DEGREES CENTIORADE	7. 5	7•0	2°¢	2.5	7.	_3.J	-7.3	-11.7	-10.d	-25.5	-33.0	0.41-											
ω. 4 <u>+</u>		DEGLES C	18.6	13.8	h•6	5.6	1.6	-2.5	-6.4	-11.1	-16.2	-22.5	-29.8	-39.4	-48.5	-56.3	-61.2	-62.6	-62.8	-61.1	-01.6	-63.1	-61.6	-59.0	-57.2
75,	SPOTENTIA	FELT	4969.	6u67.	8439.	10307.	12285.	14389.	16644.	19071.	21/02.	24591.	27.755	31293.	55505.	40057.	42778.	45901.	49594	54074.	58055.	61560.	04474.	68195.	72820.
oe 3912.75 FLET oe 0730 MDT	PRESGURE GLOPOTENTIAL	MILLINANS	25u+5	0.00%	753.0	0.007	6.50 • 0	6.004	550.0	503.0	456.0	J•00h	350.0	300.0	0.056	200.0	175.0	150.0	1.45.0	103.0	0.08	70.0	60.0	56.0	0.04
STAITOH ALITTUDE 3912.75 FLET MSL 4 MAY ER ASULNSTON NO. 02 0730 MDT																									

AX WIND DATA INVALID DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLESS.

9EUD2 FIL COOMULAATES 32.00497 LAT DEG 106.49714 LON DEG																												
e la	KE L . LOM.	PERCEN	!	0.80	43.0	n•Ω†;	0.7.0	73.0	0.00	75.0	0.00	0.10	50.0	72.0	7.07	42.0	56.0	52.0	0./+	/1.0	0.60	53.0	73.0	0.64	72.0	07.0	55•U	47.0
5:6.1F 1CAUT LEVEL UPL. 124022000, TABLE-8	TF NPLRATURE	DEMPOSINI	DEGREES CENTIONAL	8.2	7.0	٧٠٠/	0.0	100	7.5-	15.8	-10.0	-14.0	-17.3	-14.0	-61.4	-41.5	-16.8	0.02-	-<1.7	-10.5	7.07-	5. 4.2−	4.57-	d• 42−	-47.2	-30.0	¥•40-	-45.1
5161.11 10.411 12.410 TABLE - 30	TF NP.	AIR	DEGKEES	25.3	20.6	18.7	11.9	5.6	N.	-1.0	-5.3	-6.1	-8.t	6.6-	-10.5	-11.2	-11.8	-12.2	-12.8	-14.2	-15.8	-17.2	-18.8	-21.9	-23.6	-56.5	-24.6	-34.8
ار ا		ALTITULE		4010.4	4300.4	9.4505	7250.0	10416.7	15001.3	135.45.6	15558.3	15918.3	17490.9	10002.6	18399.3	10701.2	18921.2	19177.7	19513.6	20074.5	20401.5	21702.3	22423.5	23841.9	24664.0	2590H•5	27251.1	29075.4
4610-48 FEET	PHESSURE		MELINARS	3.673	3.070	247.7	783.5	6.760	033.0	c17.7	274.4	5,665	5.256	521.7	513.0	ნაენა 3	503.1	U•86ħ	4•16h	480.5	3.404	450°U	437.0	412.3	398.5	578.3	4.750	330.4
STATION ALITION 4010-40 FEET MSL 4 MAY UZ ASCLMSTON NO. 0																												

Late Balling State of the State of the

JTMIIGH ALIITUUL 4 MAY OZ	1117701 491	100.46 FEET	75 H		Ur Per Alti UniA 1240220005 NW 30	A1.1A		0E0DLTE	VEODETIC COOMUTABLES 52-00497 LAT DEG
	6 .05	TO SO MO		~	TABLE- 9			186.	186.49714 LON DEG
SESIMETRIC AL 11 FIJUE	PRESSURE	TEMPL A I R	TEMPLIATURE R DEWFOINT	REL.HUM. PERCENT	DENSITE GM/CUPIC	Specko or Sobles	LIND DATA	1 ii SPELU	INJEX
MSL FELT	MILLIONRS	J.	CLNT I GRADE		MLTER	N10115	DEGREES(1N)	NIVOT	MEFRACTION
4010.4	879.5	53.3	8.2	38.0	1024.1	07603	1.00	5.1	1.600276
4500.0	904.5	20.1	7•6	64.3	1026.5	1.000	#+0CT	4.2	1.000274
50000	の・の事が	18.8	7.5	47.6	10001	2.7.00	150.5	3.4	1.0002/1
5509.5	634.3	17.3	7.5	51.9	995.9	Ī	4.141	2.0	1.000200
0.000a	5 • 6 TO	15.8	7.1	00 00 00 00 00 00 00 00 00 00 00 00 00	487		1.004	1.7	1.000265
70007	790.6	12.7	2	8.00	9544		217.5	1.7	
7500.0	770.3	1104	5.0	67.5	74046	_	7.707	3.5	
3000	702.2	10.4	か・コ	4.40	934.4		735.0	1.1	1.000249
9500.9	740.4	7.6	7 · t)	4.69	910.0	-	4.407	0·6	
9000	734.7	₹ 10	3.5	70.3	4.006		7.677	11.1	
9509.0	721.4	7.4	۵ %	71.3	20268	_	7.7.0	11.0	
100001	(00.2		æ .	12.2	2.675		7.7.	11.6	
0.00001	C+C60	# M	٥٠ :	73.67	#*DQQ		C.027	10.9	1.00003
3.00011	7.000) () • • •	2.	0.47	2000	0.000	0.027	11.5	1.000661
0.00011	7.744	7	- K	77.3	A24-E	, th	0.174	2 2	
1,500	20.00	3	7.6	78.6	817.4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.000		
13000.0	633.	2	-3.2	80.0	8000		7-4-7	12.4	
10500	621.1	8	-11-13	74.6	792.3		463.0	13.1	
14000-6	60.4.3	-1.8	-6.2	71.7	780.4		22.3.0	14.1	
14569.0	8.760	-2.9	1.1-	69.8	769.0		U•622	15.7	
3.00051	5,7%	1 6 6 7	1.01.	68.0 .6.1	797.47	7 - 600	2.42.7	17.0	1.000165
10000	504.5	10.0	-14.7	50.05	735.4		10105	16.7	
105001	553.3	-7.1	-15.6	50.6	723.0	_	4.202	18.0	
17000.6	242.0	-6.0	-16.4	50.3	711.9		く・たいろ	16.6	
0.005/1	532.1	a - a -	-17.2	50.4	700.5		20102	15.6	1.000105
5.00021	951°6	6.6	0.51-	71.9	4.689		2623	15.2	
2.000×4	2110	10.7	-21.5	9.04	0,070		J. 21.5	15.5	
0.0000	20100	-		14.0	7 • 000	0.004	0.013	13.7	1.000153
<00007 <00000.0	6.184	14.0	-18.6	3.70	7./40		0.077	14.7	1.000152
5.00cu>	472.4		2.61-	20.0	630.0		6660	14.3	1.000149
£1000.9	403.9	-		67.0	020.5	625.1	44.4.1	14.1	
<1500.0	453.7	-16.8	-23.3	57.0	610.5		د،/12	13.9	1.,000143
22000.5	444.5	6-21-	-23.5	61.3	7.000	_	7.0.2	13.8	1.000140
0.00022	43.00 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.61	4.52.	7.5.3	2000 2000 2000		C.007	15.0	1.000139
<3500.3	420.3	-20-1	-63.3	77.6	57/•0	0.020	10002 10002	10.3	1.000134
	,)						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

STATION ALITION "GINTO FILT NSL H MAY SE ASCENSION NO. 9	11110n 46	1030 MDT	, MSL	•	UPC ATT CATA 1240226009 TÄBLE-9 cont'd	ont'd		32.	SEUDLTIC COURUTHATES S2-00497 LAT UEG THD-49714 LON (EEG
OFUMETHIC PRESSURL ALITTUNC MSL FELT MILLIDARS	PKE SSURL MILLIDARS	LEMF AIM DESKEES	PRESSURE LEMPERATURE AIM OF WITH MILLIDARS DESKEES CENTIGRADE	REL.HOM. PERCECT	REL.HIM. DENSITY SLEED OF PERCFUT 6M/CUFIC SUUHI METER NIVOIS	LEU UP SUÜHII NIVUS	"Ihu Dain "Inection of Degrees(IN) Kit	17 SPCEU KIJOTS	INDEX OF REFRACTION
<.*O00*>	9.604	-22.5	-<5.0	17.1	560.5	011.3	£1.2.7	17.9	1.000151
004.7	401.2	€25°3	-26.7	73.4	1.50.0	0100	202.1	16.6	1.000129
C2000c2	3.42.9	4.44-	-28.5	70.6	6.649	014.0	7.107	15.8	1.000126
25500.0	364.8	€,55°	3.62-	6.8.6	7.140	210.5	つ・フロブ	17.3	1.000124
200002		7.00-	1.15-	5.60	536.5	1110	0.607	19.1	1.000121
<000002		158.0	-53.0	1.1.7	524.0	010.1	20402	20.5	1.000119
· 1000.		2.63-	2.45-	2.7.	110.6	0.000	/ · h0 >	21.9	1.000117
<7500.		-30.5	-36.7	53.0	567.5	0.70g			1.000115
<.000cz		-71.9	-38.4	51.7	494.0	5.000			1.000113
20509.0		-13.2	1.04-	49.5	1.164	2.500			1.000111
29000°		-34.6	-41.B	47.3	484.0	9.100			1.000109

UEUDLIIL COONDINATES 32-uu497 LAI UEG 1U6-49714 LON UEU	יברט	KNO1S		-	1	Q.	<u></u>	•	.a	a	2 0	1	
ر لا ل	DATA ST		4.0	•	ว	77	7		•) -	70.	2	0	
	WIND DATA	UEGILLES (TN)	150.9	100.4	7.402	75027	225.3	7.477	232.1	C+C12	214.0	0.707	
	netoliu.		47.	٠,70	.69	73.	70.	70.	51.	54.	55.	7.5.	55.
CA PATURE LLVLLS 1244022000, 124.30 TABLE-10	TEMPERATURE AIR LEAPUINT		7.5	3.3	7.5	1 • ر	-2.3	7.7-	-15.6	-19.5	C+42-	-20.3	-37.5
TA.		DEGREES CENTIGRAVE	14.9	13.7	9.5	5.8	1.4	1.2.7	-7.4	-12.0	-17.2	-23.4	-31.1
151	OPUTENTIAL	FELT	4475.	6999	8441.	19511.	122HB.	14390.	16034.	19051	21070	24533.	27091.
4910-40 FEET 1030 MDT 9	PARSOURE GEOPOTENTIAL	MILLIHANS	0.484	0.00%	0.047	700.0	0.369	200	0.965	0.004	0.004	0.004	1,470
STALLON ALTITUDE HOTO-40 FLET MSE 4 MAY 62 1030 MDT ASCENSION NO. 9													

	VEUDLTIC CUURLINAIES	32.49927 LAT LEG	106.40591 LON DEG
SIGNIFICANT LEVEL DAIN	1.5445	£ - - - 5	TABLE-11
	STATION ACTIONS SOIZ-75 FEET JA.	4 may 02 1130 MDT	ASCENSION (10. U.S. 220.)

Kr. L. HOM.	נניים	0.04				U++C	73.0	0.6/	0.60	0.40	0.67	70.07	0.00	92.0	0.60	92.0	U.5.	10.01	17.0	9∙0°	52.0	92.0	55.0																	
· PERATURE	CENTIONALE	5		8.7	4.5	7•9	1. 0	-2.4	•	-2.0	0.6-	7.01-	-14.0		-17.0	0.44.		v	7	-53.8	•	7.041	4.44																	
TENPE	DEGREES	2 .	-	•	10.4	15.5	6.1	٤.	\$	٠.6	-5.5			-15.0	-16.4	7	æ	٠	•		•	7.46-	_	_	_	-43.7	_	•		47.	14/00	• 4 0 1 1	000	9	-61.1	, 7	59.		-59.3	
L GEOWETAIC		1912.7		341	ŝ	6378.2	16324.6	12419.4	1,789.9	15532.0	15/(05.0	loule.	19088.6	21348.1	21775.4	22106•Ü	22754.6	•			_	_	_	_	_	33058.3	_		34170.4	7			401604		01075	200	7784.	48527.4	7.0	51907.8
PNESSURE	ILLIHARS	1.47	79	008.3	$0.50 \cdot 0$	408.3	700.€	2.640	638.£	5050	577.5	5.55.3	50r.0	456.6	0.644	441.0	431.5	400.0			•	316.0	360.0	289.4	281.2	277.7	4.672	200.1	264.0	450.0	247.3	7 00.	120.00	9 4	150.0	7	138.0	133.1	125.7	112.6

J,		
	がい	
	514 11014 LL 1111 JUL 3912-75 FEET MOL	
	30.5 R.	
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	رم.	3
	ر11 ا	•
	1,70	ASCENSION NO. U
	70. 101	015
	_ 4 4 4 4	SLEP
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otobulic Coompliantes 32-09927 LAT be6 100-40391 LOH DE6

\$16.10 100.47 thver 0/10 12402-90000 1-28 TABLE-11 cont'd	TEMPERATURE RELIGIONAL PERCENT DEGREES CENTILORAUE	-57.2 -57.2 -61.2 -61.3 -61.5 -61.5 -56.4 -55.4 -55.4 -53.0
Å335 Mat' ™st	PAESSURE OFOMETRIC ALTITUDE MILLIGARS MSE FELT	103.4 53727.6 100.0 54454.5 95.0 55363.7 83.7 56113.0 71.0 61464.8 70.0 61775.6 66.7 62765.0 56.9 65326.9 56.9 65326.9 748.7 69296.5 43.9 74462.0 41.3 72777.0

STATION ALLITUDE 4 MAY 82 ASCENSION NO.	ۍ ډر	12•75 FrET 45t	1 45L	- F	U, PLR Δ1R L.11A 1240230000 1-c8 TABLE-12	٠ ١		υξίνε11ε 32•ογ 106•4α	0211C C00c01cA1ES 32-09927 LAT 0EG 106-40591 LOG UEG
GEOMETICLE ALTITULE MSC FEET	PRESJORE MILLIDARS	TENP ATK DEGREES	JENPEKATURE K DENPOTOT EES CENTIGRADE	RLL.HUM. PLACENT	DENSITY GMZCURIC MLTCR	Sector of colors	LIND DATE LIKELITON SI DEUKEES(IN) N	JP SPEEU NROTS	INULX Or KEFKACTION
5912.7	866.1	73.6	9•2	0.04	1030.4		140.0	5.1	1.000280
3.0907	11.6/R	21.9		42.6	1035.4	۲,	166.4	6.4	1.000279
4500	804.1	7000	9.4	46.7	1020.5	069.1	150.5	•	1.000277
20000	849.	19.3	# · 10	49.1	1000.5		100.0	3.4	
2560.0	834.0	17.9	7.0	50.9	490.4	_	1.5.0	6.4	.00020
00000	619.3	10.5	8•9	52.7	986.7	_	n•/n×	ສ• ວິ	•
n•00ca	804.7	15.2	6•1	54.6	6.196		C + 1/4 2	7.6	.00025
3.000₹	790.5	14.0	٠ ٠	9.75	# # # # # # # # # # # # # # # # # # #	_	r.+17	10.9	•
7500-5	775.9	12.8	2• 1	4.66	1 • 1 66		7.623	v	•
÷ 0008	6.To/	11.6	9•17	61.8 3	920.1	0.000	0.612	10.5	947000 1
5.00ca	40047	3 ° 0 3	0 = =	2.40	2016		7.017	10.7	1.000238
0.000k	70100) • ×	7.4	2.50	1.06H		7.417	18.1	•
2.00001	700.3			71.4	67/0		210.5	. თ	•
100001	4.069	5.7		73.5	865.1		217.6	21.0	1.000226
11000.0	682.5	÷ ÷	٠.	4.9	853.1		1.012	25.5	1.000221
11500.6	6.699	3.1	t	16.4	84.1.V		0.64.2	23.9	1.000217
12000.	657.4	1.9	-1.0	77.8	830.2		7.17	25.5	1.000212
1.500521	645.2	හ :	-2.5	ດ•0ສ	810.0		712.7	Λ·±Ω:	1.000209
1,5000.	633-1	⇒ .	-1.7	45.4	7003		0.012	2 * K	1.000206
13500.6	021.5	ກ • •	-2.9	*****************	0.167	_	0.012	20.00	1.000202
14000.0	0.700	0 4 1	S 3 - 1	79.3	7.007		7.017	27.1	
15000.0	540.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-7.7	76.9	750.3	34.50	7.077	30.2	•
15500.0	570.4	-5.4	Z•6-	74.5	747.0		C-1C>	33.5	1.000163
100001	564+3	-5.B	-10.0	72.1	733.9		20105	36.0	
10500.0	550.50	5.9-	-10.8	70.5	721.6	_	4.16.2	36.3	
17000.0	242.7	1.7	-11.3	73.5	710.5	0.50 4.1.4	3 • 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0	0.0	1.000172
0.00c/1	2.250	0.5	6.11-	7 4 0 7	7 HB4		7.7.7	,	
1.00004	2.114	A-0-1	12.0		1,000		0.000		
14000	5.11.5	-11-9	-13.8	າ ຄ ເຄ ເຄ	0.000		2-1-2	31.3	1.000100
19500.0	2.T.4.	-12.0	-14.5	87.1	657.0		2:1.1	31.0	1.000158
6.0000×	482.1	-13.6	-15.1	₽ •88	1.04g		C+022	31.6	1.000155
5.00cus	472.6	7.71	-15.7	7.68	635.0		2.012	33.7	1.000152
21000.0	403.2	-15.2	-16.3	91.1	624.0		212.5	36.0	1.000149
<1500.0	454.0	-15.9	-17.1	6.06	614.1		<0.3·1	37.8	1.000140
C-0002>	なったなす	-,7.1	-18.2	90.6	C++0G	, L	V+00.7	39.6	1.000143
0.00c22	430.0	+-a1-	-10.3	•	3.06G	022	2.037	•	1.000140
23000.5	427.2	-19.5	-20•6	0·16	580.0	020.0	٥٠/٥٦	39.3	1.000138

TABLE_12 cont d	06000110 00000106165 06.09927 LAT 066 100.40591 LON 066	INJEX EU OF TS REFRACTION	40.5 1.000135	-			47.1 1.000124	-		۰ ۰	48.6 1.000112	-	1	7		49.1 1.000101	٠,	7	-	٠.	·	2.0 1.000089 3.0 1.000007	~	-	6.5 1.000002 9.2 1.000001	· ~	-	105.9 1.000076	1 ~		~	~	-	٠,	10.9
TABLE AJR 130 MDT 12407900 1330 MDT 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 12407900 1240790 12407900 1240790	070	7																																	-
1130 MDT		DERSITE GMZCUBIC MeTER												_																					
13.30 A 1	, -	REL.IOM. PEPCENT	и 6. ч	42.9	79.8	77.2	2 4°04	65.3	01.0	5/.7	55. 5. 5.	55. K	53.9	55.6	55.0	55.0	**0.6 ***0.6																		
33. 33. 33. 33. 33. 33. 33. 33. 33. 33.	Fr. 1 MDT	<u> </u>				•	. 1	1			•		1						5.	7.	٠.	٠,	.3	9.	æ °	2 ~	·	۲۰	. ^	1 6	.7	•6·	J	ξ,	•
	1130	1,3														•	•							•											

** AT LEAST ONE ASSUMED RELATIVE HUMALITY VALUE "AS UNEU IN THE INTERPOLATIONS.

STATION ALITIONE	1 20	1232 FLET MSE	ס	UPPER AIR UMIA Izqo2yoquu E-eb	×		6E 0DE 11	GEODETIC COORDINATES 32-03927 LAT 01.6
	140. 03		-	-12	cont'd		106.	
GEUMETHIL ALIIIUUL	PRESSURE	TERPERATURE AIA DEWPOINT	REL . HUM. PERCENT	DENSIT :	SrtEu ur	יואט טאן. סוארט זארט טאוט	14 aPcEJ	INCEX
NSC FEET	WILL IDAR	DEGREES CENTIGRADE		MCTER	510114	IL GILLES (IN)	STONE	KEFKAC I 1011
43500.	170.0	1.9.4		277.0	0.6qc	1.40×	79.0	1.000062
5.000+p	105.9	4.6.1		270.4	569.5	T. HO.	71.4	1.000000
44500	101.9	-59.5		264 • 0	509.5	5.00.2	74.6	1.000059
∂•00nca	1.56.1	-59.5		257.7		7.677	77.2	1.000057
45500.º	154.3	1.09-		252.2	••	0.022	79.7	1.000056
1.0000	0.031	-61.0		7.142		7.077	1.7.	
46500.0	140.	-61.2) • • • • • • • • • • • • • • • • • • •		0.072	9.7/	1.000054
C•000/#	140.4	101.0		7.000	7.707	0 - N - N - N - N - N - N - N - N - N -	58.7 6.5.9	1.000052
00000	141.4	0 -0 1				7.000	9.53	1,00001
46500.0	1.50.3	5.00 5.00 1		210.7		7.007	63.1	1.000049
○·00n6+	130.1	-60.3		212.9		1.00c2	62.4	1.000047
49500.0	12/00	-59.6		207.1		7.7.40	6.09	1.000046
C.0000C	123.9	9•6'-		202.1	569.4	66.30	59.4	1.000045
50500°	120.9	u•0'9-		197.0		4.627	55.2	
01000€	110.0	-60·4		195.	-	C.U.2	51.1	1.000043
91500.	115.2	6.0.3		189.0		6.16.3	40.0	1.000042
\$5000°C	112.4	-61.2		184.0	-	7.757	40.7	1.000041
0.00525	109.	2.00.1		179.5	-	1.467	37.0	1.000040
200000	10/01	0 to 1		T	6.600	7.007	7 ° C	1.00000
000000	7.75	2.0		1604.4		7.007	31.3	1.000033
0.00000	3.66			160.7		2.007	30.3	1.000036
P-000cc	97.3	-57.2		156.9		233.6	29.5	1.000035
55500.0	0.06	-57.4		150.0		201.5	26.1	1.000034
0.000oc	2.26	,8.1		150.2		7-127	26.4	1.000033
200505	30.5 2.06	58.9		147.1		0.032	3 r	1.000033
2,000.0	C	157.0		1444	0.000	3 6 7 7	0.00	1.00003
56000.0	24.5	0.1.7		130.5		40012	23.2	1.000031
30200°	64-1	-61.2		135.0		212.3	23.9	1.000030
59000	80.2	-61.2		131.0	567+1	6117	54.5	1.000029
5,500.0	78.2	-61.2		120.0	-,	<11.5	26.0	1.000029
0000n	70.3	-61.3		125.5		# × 7 7 7	26.5	1.000028
60500.0	77	151.0		122.5	267-1	110.1	26.9	1.000067
01500.0	70.9	161.3		110.7		4.06.2	22.3	1.000000
\$2000°£	2.40	-6.1.2		115.6	-	4.4.6.5	19.2	1.600025
0.2500 · ii	9.10	-6.1.4		111.		221.3	15.6	1.000025
e-2000s-a	6.49	-, 1.3		100.4	507.1	740.0	12.0	1.000024

.codr.i.c Coomplantes .co.byy27 Laf DEG 106.40591 LOM DEG	INDEX OF KEFRALTION	1.0000c3	1.000022	1.000022	1.000021	1.000021	1.000620	1.0000620	1.000019	1.000019	1.000018	1.000618	1.000017	1.000017	1.000010		1.000010	1.000015	1.000015	1.000014	1.000014	1.000014	1.000015	1.000013
∪£00∟1 32 106.	1A 1PE.EU NNOT 3	9.5	4.9	3.2	1.8	1.2	5.	2,2	3.7	5.5	7.4	2.0	S.6	10.1	9.6	9.5	3.6	a.6	10.1	10.7	11.4			
	MIND DATA DIRECTION DA DEGREES(14) NO	6-1-0	7.757	7.75.7	J.677	<14·3	710.0	107.0	74/•1	7.47	7.047	74.7	7.04	£4041	7.447	7+1-3	1.7.1	7000	7.101	131.5	101.9			
i.fA nt'd	SPEED UP SUDIND NIVORS	567.4	1.690	569.0	570.4	570.9	271.4	571.9	572.4	575.0	573.3	274.0	57400	574.7	274.7	5-475	574.0	570.5	1.116	570.3	5-11-5	577.0	577.5	1.170
tt. Feb Aik buita 1240290000 E-26 TABLE-12 cont'd	DFJS1T) GM/CUB1C METER	105.0	1001	4.76	6.40	96.5	2.06	P.1.9	85.7	30.0	A1.4	7.66	7.1.6	75.4	75.0	71.9	70.7	61. · c	60.3	0.49	6.00	61.9	60.4	50.9
- 1-	REL. HUM. PERCETIT																							
1130 MDT	IEMPENATURE ATK DEMPOINT DECKEES CHATIGKADE	-60.8 -60.2	1.9.7	2·6's-	8.2,1	5.8 5−	9.0%	7.7.7	-67.3	9-12-	9.0.5	0.0%-	-55.6	9*44	15,5+5	-45.5	- 55+5	-54.3	-53.2	-52.8	-53.3	-55.8	-53.5	-53.2
1100k 591 10. a3	PRESSURE	0.4 0.4 0.4 0.4	61.3	53.63	₽•0C	57.6	2.09	24.4	53.1	51.6	50.6	マ・ベナ	40.5	47.1	Е0ħ	6.44	5.04	45.8	41.8	6*0#	34.9	34.0	30.1	37.2
STATION ALITIONE 3912.75 FLET 4 MAY 62 1130 MDT ASCENSION 130. 63	GEONETRIC ALITIUDE MSC FEET	0.5500.0	∂•00G₩0	0.900030	0.5500.0	იიცცე• ი	ab500.0	01000°	3.00470	ુ•00npa	ი მს ები	6.00060	J*00560	7.00007	7,00007	71000.0	71500.0	1.0002/	1.5000.0	7300057	7.5500.0	74000.0	74500.0	0.00047

STATION ALITIUS 4 ANY AZ ASLENSION NO.	STATION ALITIOL BYIZ-75 FLET RSL 4 MAY OR MSCENSION NO. 03 1130 MDT	J 	ina. TA	NA.D.TUP) LLVLL 1240290003 L-28 TABLE-13	د د د د د د د د د د د د د د د د د د د		VEODETIC COUNDINATES 32.09927 LAT LEG 100.40591 LON DEG
	PRESSURE GEOPOTENTIAL	JPU1EHTIAL	TEMPE	TEMPERATURE	7 L . HO	ALAU DALA STATES TAGES	A 1 A
	MILLIPARS	FELT	DEGREES OF NITIONALE		- -	UEGKELS (IN)	KNOTS
	n.50.0	+396h	19.4	3	• ^ +	154.0	4.5
	0•a04	tó61.	14.8	0.0	ئ دن•		7.6
	150.6	8441.	10.6	4.1	· 50		2-67
	7007	10315.	6.1	١•٠	7.5.		₩•0×
	0∙նՀ∀	12292.	1.1	-2.5	79.	210.0	0.07
	ป•กฏ:u	14396.	-2.8	n•ç−	£0.		26.0
	0.000	10042.	9.9-	-10.9	71.		9.45
	6• ∂ 0 ′3	19062.	-12.1	-14.0	60.		31.2
	O-DC4	<100p.	-16.1	-17.0	8.9.		36.5
	0.004	24557	-23.3	-20.0	76.		2.44
	350.0	£7724.	-29.6	-35.5	, 0¢		1.7
	300.00	51271.	-38.8	オ・カカー	52•		50.2
	0.055	35294.	0.74-				73.5
	0•00₹	40033.	-56.1			•	1.55.7
	175.0	42791.	-59.4				9•49
	150.0	45953.	-61.1				6.07
	125.0	49079.	4.66-				0.00
	100.00	54258.	-57.2				3 . 00
	80.0	58846.	-61.2				6.4.2
	0.07	61565.	-61.1				6.0%
	0.09	64713.	-59.3			234.4	3.5
	0.05	68486.	#-5c-#			140.9	2.0
	C. D#	73168.	-53.2			101.0	11.3

STATION ACITIVAL HOTH-40 FEET MSE 4 MAY 22 1330 MDT ASCENSION NO. 10	72F	516i1r 1C (417 124022 13W 30 TABLE-14	10070 10070	رن بر	9EGDLTIC COONDIMATES 52-88497 LAT UEG 106-49714 LOH DEG
PRESSURE			IEMPERATORE IR DEWPOINI	RELONDMO PERCENT	
MILLIBAKS		DEGREES	CENT I GRADE		
678.1	4010.4	9.45	9.5	38.0	
877.2	4039.8	22.8	7.0	30.0	
0.50.0	4936.8	20.5	6.1	29.0	
2.44.3	8445.5	5.6	6.5	01.0	
700 m	10245.8	4.2	2.5	0.75	
te85.3	10352.9	2•t	\.	0.46	
p•190	4.46711	٠. د د	C .	0.68	
a•60a	13924.7	7.5-	ဂ - ၁	0.87	
5/2.0	15582.3	0.0	7•hT-	52•U	
0.140	10001	C. F.	0.61) ; ;	
0.000	167,96•1	- 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.5.7	0.00	
2.004	73027	-20.5	7.55.7	2.57	
0.004	3 - 12 11 N	-23.3	-<7.7	0.7.0	
354.2	27376.0	-29·B	-36.1	D+4C	
300.0	31195.7	-39.5	9.54-	54.0	
284.6	32375.3	-42.6			
278.6	32847.6	-44.1			
250.0	35202.0	-51.5			
228.0	37153.6	-55.6			
0.002	3988e.5	-58•1			
190.3	40915.6	1.09-			
3.69·	4.3260.9	7.00 6.01 1			
G*/9T	0.54504	-39.¢¢			
150.1	45748.9	6.29-			
140.3	40306.6	-62.4			
144.2	40602.6	-59.8			
138.0	47394.6	-56·8			
128.8	48948•8	-59.1			
113.4	51550.1	-64.3			
102.2	52644.7	-65.1			
100.0	54483•0	-64.3			
96.4	54830.5	-60.1			
7.10	57614.5	-60.5			
2.01	C+1846C	-63.5			
72.6	0.1727.0				
D•(I)	01354.1	5000			
0.00 9.00	04535.0	0.14			
0.60	0.00000	1.40			

STATION ALITIDAL 4010-00 FELT ASL 4 MAY 02 ASCENSION 100 10 1330 MDT

SIGNETCAST ELVEL DATA TEGUZZOULU NR 30

TABLE-14 cont'd

TEMPLRATURE AIN DEWFOLLS DEGNELS CENTICKAUE PRESSURE OFORM TRIC ALTITULE OILLIBARS OSE FELT

-59.0 -56.9 50.0 68253.1 39.0 73424.8

veuultic countiintes 32-80497 LAT uEG 106-49714 LOH DEG

28

	ASCENSION NO. 10				TABLE-15			901	106.49714 LON DEG
OF UNIL TRAC AL I I TUDE	PRESJURE	Find AIR	TEMPLICATURE DEMPOINT	REL.IHUM. PERCENT	DFNSITI GM/CUBAC	SPLEU OF SOUND	DAIN DAIN STREET TON STREET	JA SPLEU	INUEX OF
MSL PEEF	HILLIUAKS	ህ ፍለኒቲა	DEGREES CENTIGRADE		MEILK	STORY	LEGKEES! IN	21001	KETHAC 110F
4010.4	878.1	9.43	9.3	38.0	1022.2	673.9	150.0	12.0	1.000278
J•00ch	965.1	21.6	6.5	37.5	1015.7	b70.3	1.9.0	11.7	1.000209
5000s	840.1	20.3	t•1	39.4	1002.0	ინიაც	109.5	11.7	1.000205
5500.6	833.0	10.7	2.4	42.5	990.1	067.0	1/0.0	12.0	1.000262
C.0000	818.1	17.1	5.03	45.7	0.170	1.090	10/01	12.7	1.000258
0.0050	803.6	15.6	8•4	48.8	1.696	_	195.5	13.6	1.000254
70007	769.3	14.0	4.3	51.9	950.0		<010>	14.4	1.000251
7500.0	713.2	12.4	3.6	55.1	1.246		C++02	14.3	1.000247
3.0000	701.4	10.8	6.6	58.5	930.0		c./0>	14.3	1.000243
ე•00၄ფ	741.8	9.5	2.3	61.8	919.1	6-650	C+012	14.3	1.000239
9000.	7,34.1	7.8	2.5	6,84	7.006	6.460	C.542	14.0	1.000237
9500.C	720.6	†• 9	2.5	75.9	46a	0.750	0.612	13.8	1.000235
0.00001	707.4	5•0	5.4	83.0	8A2.0	0.149			
10500.0	h• #60	3.6	2•1	9•69	1.070	0.440			1.0002.9
1100011	681.5	2•2	1.3	93.2	6-050	1.140			1.000225
11500.0	6.00.9	1.0	£•-	9006	840.5				1.000219
12000-2	650.5	0	-1•B	6.79	634.0				1.000213
12500.2	9•C#0	5.	-3.0	₽•Ç9	951.4				1.600208
1 3000°C	031.7	-1.7	Z•h-	85.58	300.4	042.7			1.000203
13500.ը	619.8	-2.5	15.4	80.2	795.7				1.000198
J*0004T	9.804	-3.3	-6.H	76.8	783.5				1.000194
14500.3	4.069	-4.5	0.6-	69•0	4.077				1.000168
0.000c	545.6	-5.0	-11.3	61.1	750.8				1.000183
3.00441	573.8	6-5-	-13.8	53.3	740.0	_			1.000170
10000°	562.	-7.0	-15•6	6.64	735.6				1.000174
0.00501	551.9	-9.5	-17.3	47.4	754.7			,	1.000170
1,000.3		-9•3	-19.0	45.3	714.0		2.4.5	44.7	1.000166
9.005/1	530.6	-10.4	-18.1	53.0	702.0	_	4.00%	1.65	1.000165
ခ္ (၁)		-11.5	-17.b	60.7	91.to		4.002	53.0	1.000163
18500.0	6.404	-15.6	-17.2	68.4	U81.0		4.02%	55.4	1.000101
19000·0	499.9	-13.7	-17.0	76.0	670.4		255.5	55.7	1.000158
19500.0	0.064	-13.8	-16.5	0.08	657.3	021.6	0.612	52.9	1.000156
5.000nz	7.084	-14.9	-17.4	8.61	040.0	0500	7.14.7	46.8	1.000155
0.00002	9.024	-15.7	-13.4	7.67	0.050	4.020	20102	44.2	1.000150
2.00012	401.1	-10.7	-14.3	79.5	625.0	024.3	20407	41.6	1.000147
<1500°3	451.9	-17.6	-211.3	19.4	412.4	043.1	てひく・こ	39.4	1.000144
J*60077	447.5	-18.0	-21.2	19.3	600°		7.1.7.0	39.0	1.000141
3.00622	434.0	9.61-	-22.2	79.1	592.5		7.39.0	39.5	1.000139
< 3000° n	425+3	150.4	-23-1	79.0	585.0	Ī	194.0	40.0	1.000136
3500.1	410.6	4010-	3.07.	75.1	570.1	4.4		3	1.000144

AX WIND DATA HAVALLO ONE TO MISSING RAW AZIMUIN AND ELEVATION ANDLESS

STATION ALTITUDE 4 PLAY SE	على _	4919-48 Fre 1 NSL 1330 MOT	1 NSL	- F	UPP_P AIN UNT 1240228010 NK 30	5,11A 10		22.00	C000 F24
ASCENSION 140.				_	/ABLE-15 cont'd	nt.d		106	186.49714 LUN DEG
GEORIETRIC	PKESSURL	1 LMPI	TEMPERCATURE	REL.HUM.	DENSITY	britto or	#Thu DAT#	¥ 1	INCEX
MSL FLLI	MILLIOAKS	DEGKEES (DEGREES CENTIFICADE	FACER	MLTER	STONY	DECKELS(IN)	ANOTS	NEFRACT101
240000	400.1	122.4	-26.2	71.0	560.5	01/01	19/00	42.9	1.000131
24509.0	399.7	->5-3	-27.7	6.49	557.1	610.9	1.061	43.2	1.000123
J•00vç>	391.4	4.45-	-59.5	2.49	540.0	014.5	1.94.7	43.5	1.000125
j•00qq>	383.3	0.42-	-30.6	62.4	1.664	013.1	194.0	0.44	1.000125
20000-9	575.5	7-50-7	1.65-	500,5	350.5 3.31.	7.110	0.46.	44.7	1.0001.1
2,000,2	3.636	0.67	0.001 0.001	55.7	513.5	C•010	1.00 T		1.000115
< 7500.3	352.3	-30-1	4.96-	55.9	504.6	007.4	K+6.6.T	47.1	1.000114
C.00032	344.7	-31.4	-J7.6	53.7	490.0	a-c0a	0.110.0	47.7	1.000112
ઉ•00¢વ>	357.3	-32.7	-58.9	5.3.4	480.5	2.400	2.11.2	40.3	1.000110
v•0006?	350.1	6.58-	-40+1	55.1	3:08x	0.700	K.102	6.84	1.000198
2.00062 2.00064	0.525	2.08-1	141.5	5.75	1.2/4	0.100	0.707	3.04	1.000106
0.00000	7.50TO	7.7	0 • 7 1 -	4.50	45.74	4.664	7.50	50.0	1.000103
31000.0	302.6	139.0	140.1	52.1	T • 1) 5 t.	2.060	7.002	54.5	1.000101
31500·C	290.9	-40.3	6 • 6 th -	38.6**	446.7		707	50.0	1.000099
52000.0	28.9.4 20.20	-41.6 -43.6	-57.1	16.5**	# · 100 #	396.0	1.002	57.5	1.000097
3.5000-0	270.7	0.00			1031		2.602	7.00	1-000094
3,00000	270.4	-40.5			414.9		2112 211.0	02.7	1.000092
34000.0	204.5	7.7.			408.5		213.U	6.49	
a•005+c	250.5	-49.3			9.104	584.9	0.412	9.90	1.000089
35000.0	252•3	6.04.			395.5		0.17.7	67.8	1.000000
0.00000	240.0	1,501			380°5	579.2	213.0	70.7	1.000007
302000	2 35.0	2100			57		7-17-	+ · · · · · · · · · · · · · · · · · · ·	1.000003
37000.6	229.7	5.5.5			36/05		263.1	85.6	1.000082
37500.0	224.2	-55.9			359.0		0.477	91.0	1.000000
38000°C	210.9	156.4			351.6		6.022	95.9	1.000078
36500°°	215•B	8•4			344.5		6-127	99.8	1.000677
0.00065	200.7	-1,7 · 3			330.6		7.677	102.3	1.000075
39500.	203.8	7.7.			329.5	571.8	4.06.2	103.8	1.0000/3
40000	196.9	158.5			322.0	571.0	1.102	104.7	1.000072
00000	1.14.				2.010	. 600	0.102	0.001	0.0000.
41500.0	180.0	1.00.1			7 000 7 000	2.000	7.0107	100.4	1-040007
42000.F	180.5	1000-			290.1	5.820	234.0	101.8	1.000056
4<500.0	170.2	0.09-			287.3	0.000	4.662	95.5	1.000004
4.0000.5	175.0	6.6,1-			C81.U	560.9	カ・カウン	86.0	1.00000:
43500.0	107.6	-i.9•3			273.4	1,63.7	233.0	79.3	1.000001

** AT LEAST ONE ASSUMED PELATIVE HUBLITY VALUE WAS USED IN THE INTERPOLATION.

JA1104 AL1114DE 4 MAY OZ ASCLNSION 140*	Ս <mark></mark> սե 4 13	ulusun FLET SL 1330 MDT	•	UPPER AIN C IA 1244220010 1 W 30 TABLE-15 cont	C.IA Ult Cont'd		0400LTI	obodelle Cookulhales 52.00497 LAI DEG 186.49714 LON DEG
GEUNETRIC ALITIONE MSL PEET	PRESSURL MILLIDAKS	IESPLKATURE AIK DENPOINI DEGREES CENTIGNAUE	REL HUM. PERCENT	DENSITY 6M/CUBIC MLTER	SELEL OF SOUND NINOIS	"INC DAIA DIRECTION SOUL	SPEED KNOTS	IGUEX OF REFRACTION
0.000##	1,000	1.0.1		261.3	260.0	0.007	74.0	1.000000
44500.5	159.9	-61-1		262.0	2010	1.002	72.1	1.000058
45000	156.0	-62.1		257.5	0.090	7.4CV	70.2	1.000057
45500.0	156.5	76.2.7		252.0	5.696	1.002	67.2	1.000056
40000	146.5	-6.2.7		Z45.9	5000	253.1	64.1	1.000055
D. 0000	144.9	7.0.7 		237.00	567.8	ひ・せい マック・コード・コード・コード・コード・コード・コード・コード・コード・コード・コード	00.0	1.000053
7.0007	1 400	0.00			9.1.0	11945	20. m	1.00001
0.00044	13.44.	2.7.7		2.07.7	77.50	0.407	50.00	1.00000
40000	131.6	1 · 2 · 1		215.0	27:07:0	2.67.7	51.0	
*3000	128.5	2.6.1		209.6	0.500	2.002	50.1	1.000047
0.00464	125.4	7,0.2		200.1	5000	7.167	49.5	1.000046
200000	122.3	-61.2		201.1	567.5	0.162	48.4	1.000045
0∙ 60¢n¢	119.4	-05.2		197.1	505.8	/ 002	47.3	1.000044
9.0001c	110.5	-6.3.2		195.5	264.5	7.677	46.0	1.000043
0120000	112.	7.49-5		189.5	1.500	C - / > >	2.44	
5-0007c	110.9	164.5		180.	2020	250.5	42.7	
0.00020	7 00 7	- 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		120.00	202	0.622	* C	1.000040
0.00000	103.9	164.4 165.0		176.3	0.700	7.077	36.1	1.000038
24000+0	100.4	5.4.5		167.0	562.8	4.427	37.6	
54506.9		-62.0		161.0	560.5	サ・センフ	1965	
0.00035		-60.1		150.4	20200	243.1	† O †	1.000055
3-00555		2.09.		152.0	2000	2.7.7	40°	1.000034
3.00090	1-16	160.3		149.0	1000	750.5	7.05	1.000033
25000-6	00°0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		140.0	5000	7.41	37.5	1.000032
37500.0	24.4	160.5		130.7	566.1	211.U	34.5	
28000	82.6	-61.5		130.0	30000	7.07	31.0	1.000030
34500.	9.00	T,2+8		135.5	565.1	20000	27.6	1.000030
250000	7.97	1.49-		131.0	5.595	<.U0.1	24.2	1.000629
0.00060	7001	-65+3		120.0	261.7	<10.4	22.7	1.000029
მ•0000n	6.4/	-65.1		120.4	561.9	212.5	21.6	1.000028
0.00000	70.0	165.0		12000	562.1	C-022	20.8	1.000027
0.0000	71.5	3.0%L		110.5	7.000	7.077	6.61	1.000026
0.00010	0.69 1	-62.5		9.517	265.7	0.00°	8.71	1.000026
3.00020	0•/0	102.1 0.0		0.211	0.000 0.000	# · OC >	7.01	1.000025
3.00520	7.09	-62.0		7.601	1000	1.767	æ :	1.000024
0.00054	2 • 3 2 • 3 2 • 3	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		100.00	Section 2	1 · † (1)	۵. و و	1.000024
•	2	-[·1•t		103.9	h•996	6.000	6-11	1.000023

oboultic conditates obsen497 LAT DEG 106-49714 LON DEG	INDEX OF REFRACTION	1.000023	1.000022	1.000021	1.000061	1.060000	1.000020	1.600019	1.000019	1.000018	1.000018	1.000017	1.000017	1.000017	1.000010	1.000016	1.000015	1.000015	1.000015	1.000014
JEOULT,	IA SPEEU NIOTS	17.5	18.5	14.9	9.1	6.3	7.0	8.7	10.7	16.6	23.0	54.6	22.6	31.5	25.2	15.3	4.4			
	"INU DATA "INECTION SI "LEGREES (IN) NI	ŭ•3	ฏ•ถ	5.01	C•02	53.0	6.001	117.0	147.5	7.6/1	177.4	70407	121.4	a•60	00.1	4.50	100.0			
ı^A nt'd	St. LFU UP SOUND KNOTS	266.0	1.000	6.099	507.0	20199	367.8	3.000	569.1	509.6	2.076	570.5	570.6	571.0	571.3	571.0	571.9	574.1	574.4	572.1
U, PLR AAK U., IA 1240220010 U.M 30 TABLE-15 cont'd	DENSITE CM/CUPIC MLTER	101.0	9.06	4.06	0.46	61.7	89.5	80.9	84.7	84.4	83.5	70.4	70.4	J. #7	74.1	4.07	7.69	67.5	65.0	7.49
,-	REL . HUM. PERCENT																			
10.40 FLET MSL 1330 MDT	TEMPERATURE ATK DEMPOLAT DEGREES CERTISKADE	-(.1.7	-61.5	,1 • 4	-£.1+3	,1.2	-60.7	-60.2	-59.7	5.4.c	-58.9	58.7	,4•5	-58.3	-58.1	-57.9	-57.7	j 7 •5	57.3	-57.1
Jue 46111.	PKESSURE MILLIBARS DE				57.5							48.2					42.0			39.8
STATION ALITIUS 4010.40 FLET MS. 4 NAY 62 ASCENSION NO. 10 1330 MDT	GEOMETRIC PRE ALIITUDE MSC FEE! MICL	J•000+,0	04000	იზ000•ი	0.00000	00000 t	0020n	₽7000°₽	0.7506.0	∂•000pa	00000n	֥0006a	0.006ka	70000	0.00cu/	71000.0	71500.0	72000-0	72500.0	7.5000.6

UEODETTE COURDINATES 52.48497 LAT 526 106.49714 LON 0E6	### DATA ###################################
	2011 2011 2011 2011 2011 2011 2011 2011
.v.t.s	37. 57. 57. 57. 70. 79. 57.
CHIONTOPT CLVECTORY 12-102-00-10	TEMCLGAIGHE Alk DEGREES CENTIONADL 20.5 20.5 4.7 4.2 20.4 4.2 20.4 4.2 20.4 4.7 4.2 20.4 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4
4. TA	- 10 MC L C C C C C C C C C C C C C C C C C
٦ <u>٠</u> ٠٠	2001ENTIAL 1217 1933. 6036. 8413. 10276. 10276. 10276. 12540. 14330. 14330. 14330. 14350. 21543. 21543. 21543. 21543. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 21560. 216
STALLON ACLITUDE HOLD, NO FEET SEC 4 MAY LZ ASCENSION NO. 16	### SSURE GEDFOTENTIAL ####################################

AX WIND DATA INVALID DUE TO MISSING R.W AZINUTH AND ELEVATION ANGLEST

.017 ALTITUDE 3912+75 FLET NSL NY 02 151071 AO+ 64	MSL	516m+ 15.4 184 (-28 TABLE-17	SIGNIFISANT LEVEL ONTA TEGOZNOGA F-ZB TABLE-17	mln	02002112 COCNUTIATES 32-03927 LAT DEG 106-40591 LON LEG
PHESSURE *1LLIHAMS	E OFOMETATO ALTITUDE S NSC FEET	TEMPER AIR DEGREES	TEMPERATURE IK DEWPOINI REES CENTIGRADE	HEL-HUM. PERCENT	
645.0 6.80.0	5912.7	23.2	9.c. 7.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
701.0	7,902.8	11.9	5.2	0.55.U	
7.050	1100011	1.0	• •	0.65 0.65	
5.650	1,670.9	т .	4.5-	73.0	
621.7	13413.3	3 - 1 •	6.6-	0.10	
010-110 0104-1	15/79.6	1 • 1 • 1	0.11.) · · · · · · · · · · · · · · · · · · ·	
5.54.5	10396.9	-7.to	-11.1	0.07	
0.003	19002.1	-13.9	-14.0	7.66	
n•n2h	20314.4	-14.0	-14.1	0.66	
4,36,5	22377.6	-18.1	-18.5	47.0	
H 0 D + 1	24534.0	-16.2	-17.4	0.26	
355.4	27390.7	-29.3	2.00-	92.0	
235.2	24757.5	-32.0	₹• 00-	0.60	
0.000	31297.2	-39.0	2.24-	71.0	
250.0	35,350,00	0.00			
₹*6₹?	30,300.6	-1,1.B			
200.0	40009.2	-57.5			
168.4	43629.3	-62.3			
163.9	44180.3	-62.1			
155.0	45317.3	-62.6			
150.0	45985.4	-61.7			
U + 11 + 1	40317.d	-62.3			
140.7	47292.4	-60.1			
134.2	46207.2	±20°±			

57471004 ACTITUDE 4 BAY AZ ASCENSTOL 100* C	دن عن به	12.75 FEEF	r MSL		U.PL3 A.P D.1A 1240290004 E-23 TAREF-18	A + + +		02002110 02.09 100.40	DETTE COUNDINATES 52.09927 EAT LEG 110.40591 EON DEG
					01-110				
CEUSIL TRIC	PRESSURE	ТЕМР	TEMPE KATUBE	PEL . HUM.	PENSITY :	Srefin of	TAU DAT	الم المارة:	INCEX
ALITION. NSL FLEI	MILLIMARS	ATN DESKEES	CENTIGKADE	FEXCENT	METER	2000 2000 2000 2000 2000 2000 2000 200	ULGKLL (14)	SPECE NAOTS	NEFKACT 1014
3912.7	800.0	23.2	7.6	41.0	1029.0		10,000	14.0	1.000200
#000	877.3	5.00		41.3	1027.0	_	100.00	14.2	1.000279
4500	802.1	21.5	A.5.	42.B	1014.4		4.004	15.5	1.000274
50000	134.7.0	0.00	7.5	17 6 17 17	1001.	0.500	171.0	16.9	
0.0040	852.0	18.7	6.9	46.2	980.8	0./90	1 / 4 • U	18.2	
C0000	811.2	17.3	2•9	47.9	4.066	4.000	170.0	19.7	
6500.1	402.7	15.9	5.4	49.7	965.0		10101	20.3	
7000.5	780.5	14.5	4.7	51.5	950.9	_	1.001	50.9	
7.000.7		13.2	δ•£ Έ	53.3	930.0	_	7 • + C.T	21.4	1.000247
c0000		11.8	3.2	55.5	920.0		7.061	617	7420001
0200°F	740.9	10.2	3.5	65.9	914.0	_	c.202	21.3	1.000241
9000	733.3	8.7	3.6	70.3	904.6		20c.u	20.5	1.000239
25000	719.9	7•1	ئ. د د د	7.77	691.5	6,53,5	7.007	20.1	1.000250
100001	S:•00/	ດ•ດ •	3•2	85.1	V. V.		0.602	2.02	1.00023
10500 ±	g•c6a	4.2	2∙8	40.4	964.0	1.050	+•117	20.5	00200.T
7 1000°		3.1	2.1	93.3	655.5		210.9	20.3	•0005
11500.	60d 3	2•0	1.5	96.3	844.0		2.0.72	21.4	1.000222
ं∙00021		1•ů	.7	97.8	5.000		550.0	23.8	.00021
12500.7	543.0	ۍ •	-2.5	79.5	815.5		2.0,77	27.8	1.040208
120001	c•1¢a		æ•c.₌	65.5	00200	_	7.077	21.1	1.000199
13500.	1.610	9r	R•6-	۳•6 4	3.06/		1.10,7	34.6	1.000191
14000.		-1.	-11-8	40.6	N. 22 /		7.70	700	1.000180
145000• 15000•	540.4	14.0	-12•1	49.2 52.7	750.7	0.40.0	7.77 7.77 7.77	, 90 40.0	1.000184
15500.5		4.4.	-11.8	60.8	745.4	0.30.0	0.102	42.6	1.000179
10000	502.8	9-9-	-11.3	69.3	734.4		1.000	44.7	1.000177
10500	551.9	-7.B	-11.2	76.9	723.5	035.1	1.627	47.1	1.000175
17000	541.5	-9.1	-11.7	81.3	714.0		250.5	9.64	1.000172
17500.0	5.50.6	-10.3	-12.2	85.7	701.9	032.2	4.077	51.5	
7.00007	550.5	-11.5	-12.8	70.5	4.169 -	0.30.7	4.0.7	53.2	
10500.0	2.010	-15.7	-13.4	9.46	0.180		70/27	24.6	
19000	0.00¢	-13.9	0.41-	0.66	6-029	-	44.6	9°55	
19500	490•1	3	-14.3	0.66	656.3	627.4	241.0	57.4	1.000158
<0000nz	t, • 09 h	2 - 7 -	-14.6	0.66	V*V#9	027.1	Z 100 Z	3°69	1.000155
₹0200°÷	6.0/h	5.71	-15.1	98.6	7.4.50	040.0	2.412	6.09	2610001
<1000T2	401.5	n•41.	-16.0	98.3	623.7	620.b	411.9	000	1.000149
×1200•,	452.2	-16.6	-16.9	6.26	610.3	624.4	J-KU3	56.5	3
24000	べ・ツオオ	-17.5	-17.3	97.4	1.503	023.3	/•/=/>	55.5	1.000143
0.00C27		3.01	h = 01	2 3	7.0				27 1000
<n00c></n00c>	0.62	4./1-	-18-1	9.06 6.06	**6.10	2.020	7.467		9CT000-T

cODETIC COORDINATES 52.09927 LAT DEG TUE-40391 LOW DEG	INJEX OF REFRACTION
υς Ούε 1 52 1υδ	JA SPEEU NNOTS
	Ulherilos DAIA Ulherilos SPEEU UEGKELS(IN) ANOIS
cula cont'd	Sector of south
Lens Air Colla Lingsynbor Line TABLE-18 contid	REL.HIM. JENSITY SPEED OF PERCENT CMZCURIC JUNIO METER NIGHTS
- ^-	REL.HUM. PERCENT
5741101. 41111002 3912+75 FEET MSE 4 MAY 42 1430 MDT 1 ASSELVATOR 40+ CV	TEMPLIATURE AIM DEWFOINT DEGMEES CENTIGMADE
۱۱۱ الاس ۱۹۶۱ 1 ۱۱۲۰ دنه	DEUGLINIC PRESSURE ALITIUCE ASE FEET MILLIDARS
57×110;11190; 6	OEUWEIKIL PRESSURL ALIIULL MSL FEE! MILLIDARS

32.09927 LAT DEG u6.40391 LOW DEG	INJEX OF REFRACTION	1.000135			1.000127	1.000164	1.000120		1.900110	1.000113	1.000111	1.000109					1.000190		060000 • T	1.00004	7600001	050u00•1	1.000088	1.000000	1.000084		1.000062	1.000060				1.0000.74		1.000001	1.00000.8	1.000006	1.000005	1.000004
32.4 106.4	SPLEU NNOTS	48.3	5.75	6./4	υ. Σ	ກຸກ	49.7	49.2	50.1	51.6	54.1	ລ • ວຸດ • ວຸດ	0 ° 0	2.00	61.9	2.03	9.09	1.0	v :	6.27	70.E	0.6/	619	84.1 86.3	87.4	4.38	0.06	91.9	96.1	101.4	100.9	112.4	0.417	110.1	113.2	112.8	112.4	109.7
	ATAU DATA UTRECTIVA DEGREES(TR) A	2.10.7	7.66T	7.16.	195.5	7.461	0.47	14041	7.00.	1,70.5	7.007	6.102	6.06.0) • C : 3	0.00 i	2020	2020	0.303	0.00	1.407	0.00%	7.1.7	0.607	2112	1.012	210.5	4.U.D	0.CZZ	J.U.V.	7.077	0.127	0.077	7.6.27	7.77	1.67	4.00.3	3.00.3	451.6
ont'd	SrcEu OF SoUMD NNOTS			6.+29	_	01v.t	_	_	7.000	ი ი ი ი ი		_		7·000				3,75.6						5.165						575.5		575.5		57.2 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0			507.1	30c.a
د-د، TABLE-18 cont'd	UFNSITY SOM/CUBIC	560.1	4.4CC	544.5	7.030.	523.0	517.7	511.9	500.0	497.4	#87°#	† G T • T	0.0/F	1.005	456.1	2.004 0.40	7 · · · · · · · · · · · · · · · · · · ·	N.001	0.024	421.0	410.0 	3.00th	393.7	377.04	370.9	375.1	360.2	350.0	371.0	344.5	357.0	530.9	7.1.7	310.2	304.4	0.000	594.0	285.1
	REL. HUM. PERCENT	4.46	9.5.6	92.1	0.56	98.0	92.0	92.0	2.06	41.7	73.3		0.4.0	۵۰۰/ ۱	**0/	¥ • 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0	***	********		11./**																		
	TEMPLIATURE AIK DEMPOTHT PEGILES CENTIGRADE	H-11-	-17.5	-17.2	-10.3	-21.6 -23.9	-26.1	4.97-	-34.0	-32.8	-35.1	9.05-	0.66-	-3d.	→ • • • • • • • • • • • • • • • • • • •	14T	1400	2011	6.70	-61.3																		
1430 MUT	TEMP AIM DEGALES	-17.1	1001-	-16.2	-18.3	0.00	5.00-	-27.5	4-65-	8 • U • H	-32.0	N • 5 5	0.00	7.02	13/0	C • 0 · 1	0.4.0	2 · C · C	1.25	†•℃†·	7.41	143.1	-43.3	20. 21.	α•3¤-1	1-26-1	-t,2.B	-53.6	164.4	-55.1	-t ² 2•9	1,50.6		1,0,1	3.0	-1.0-1	-t,fi.8	-t.1·4
5	PRESSURL MILLIDARS	1./14	5 · 50 · 5	£.00,	3,92.4	384.5	300.7	301.2	353.7	540.0	336.9	7.150	0.470	311.5	2,010	6.000 8.000	2000	7 · 062	0.407	U•817	2.11.5	7.002	259•8	24003	242.7	237.1	231.0	220.1	220•B	215.7	210.5	205.7	2002	196.6	Ldus	162.3	177.9	173.6
4 GAY CZ ASCENTADOL NO.	OEUGETRIC ALIITULE MSE FEET	<.3560 ·		000	,.00062	.0000.	0060.	£7000.	. 7500.	J•00007	00582			3.00000	3.500.5	.1600.	. •00crc	3.00020	3.0000	35000		24000	54500°C	35000	30000°	56500.	\$7000.	27500.0	30000	J4500.	29060	59500.	*0000*	*1000	41500	*<0007+	42500.	~ 2000 *

** AT LEAST DUE ASSUM, P. RELATIVE HUGGITY VALUE WAS USED TO THE INTERPOLATIONS

JA1100 ALIIIU 4 MAY GA ASCENSIO 110.	11100, 391	STATION ACTITUDE BULZ-75 Frei ASE 4 MAY SZ NSCENSIOTTO ON ON	- F	U.P.C. AIR U.IA 124029000. L-ZA TABLE-18 cont'd	nt'd		32. 105.	JEOULTIC CUONUTHATES 52.09927 LAT JEG 106.40591 EUN DEG
GEOMETRIL I ALITUUE MSL FEET M	PRESSUKL MILLIBARS	TEMPLIAT, PPE ATK VEWPOINT DEGKLES CLATIGNADE		RELATIONS LETSITY SYLLD OF PERCENT CM/CHPIC SOUND MLTER KNOTS	Syrthoulf Sound NAOFS	LIND DATA LINCTION SPEED ULGREES(14) NAOTS	1A SPEEU NAOTS	INDEX OF HEFKALTION
43500.5	109.5	-1.2.1		279.7	6000	0.167	106.3	1.000002
*****				27,00	27,000 56509	U • 202	100.5	1.000001
C•00C##				86c+0	2.020	5050	93°G	1.000059
45000	157.4			J.632	565.5	0.202	87.1	1.300058
45500.4				255.9	505.0	4.562	80.3	1.000057
40000		-n.j7		247.0	566.5	2.94.5	75.6	1.000055
40000 m	140.3			541.4	500.0	J.CC2	71.2	1.000054
47000.	142.7	-61.5		634.9	50000			1.000052
4 /500.	139.3			227.0	3.000			1.00001
*40000°	1,30.0			<21.0	5.69.			1.000049

STALLON ALILLUDE 3912.75 FEET MSE 4 MAY GZ ASCENSION NO. ON 1430 MDT	. 3912.75 FEE.1 o4 1430 MDT	r MSL	TAB	ыл Юмтокт семевы 1240290004 ы-25 TABLE-19	٠ د د د د د د د د د د د د د د د د د د د		VECULTIC COONUINATES 52.04927 LAT 5EG 106.40591 LOH DEG
	PRESTURE OF	PRESGUICE GEOPOTENTIAL	TEMPER	TE MPERATURE	net.	אומט טווליי	AIA
	MILLINKS	P.E. 1 (AIF FEWPOLIAT DEGREES OF NIIGRADE	EMPOINT NI IGRADE	PERCENT	JEGRECS (IN)	SPLEU) KNOTS
	0.000	4698.	20.3	7.7	t T	171.1	10.6
	0.001	06.00	15.7	5• c	£0.	183.	70.4
	756.0	8354.	10.6	3.44	61.	20102	4-12
	ŋ•ŋùŁ	10,5,4.	4.7	3.0	69.	<10.0	20.02
	0.964	12425.	1.0) 	84.	220.4	5.0.5
	0.004	14326.	J. 7-	-12.0	• 8 4	636.3	0.00
	550.0	16571.	: ï	0.11 -	70.	2.9.0	47.5
	6,00.0	18970.	-13.0	-14.5	٠۴6	0.477	8-09
	U-54ti	21594.	-10.8	-17.1	96.	2.695	5/s
	9•ŋ0ħ	24495.	-16.2	-17.6	•76	197.1	0.04
	350.0	27701.	-30.2	-31.7	80.	197.5	50.8
	300.0	31236.	-36.0	-42.4	71.	205.0	04.7
	250.0	35277.	-42.5			<1<.1	9•69
	0.00%	39994.	-57.5			7.627	114.6
	175.0	42737.	-61.2			250.0	6-011
	150.0	45863.	-61.7			+·+57	70.0

FILME Second Se